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DIVISION OF OIL, GAS AND MINING

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March 7, 1994

TO: Minerals File

FROM: Travis Jones, Reclamation Hydrologist *TWJ*  
Wayne Hedberg, Permit Supervisor *WH*

RE: Site Inspection, Crystal Peaks Minerals Corporation, Sevier Dry Lake Project Mine, M/027/008, Millard County, Utah

Date of Inspection: March 4, 1994  
Time of Inspection: 11:15 A.M. - 1:15 A.M.  
Conditions: Sunny and Warm  
Participants: Rody Cox, Warm Springs Resource Area, BLM; Larry Sower, Crystal Peaks Minerals Corp.; Travis Jones and Wayne Hedberg, DOGM

Purpose of Inspection: Evaluate adequacy of reclamation performed in Autumn of 1993 for bond release.

Mr. Sower initially requested bond release in September of 1993. Crystal Peaks Minerals Corporation (CPMC) has a \$53,000 Corporate Surety Bond posted with the BLM, a \$5000 Corporate Surety Bond posted with State Lands and Forestry, and a \$59,000 Board Contract with the DOGM.

Rody Cox performed an inspection on October 12, 1993, and found some trash and debris in the project area. The BLM requested removal of this trash and debris in a letter to CPMC dated October 26, 1993. A second request for bond release was made in a letter dated December 20, 1993.

Participants met at Blackrock on Highway 257 at 11:00 a.m. We then proceeded to the Sevier Dry Lake mine site.

The access road leading from the graveled county road to the main dike had been ripped and drill seeded. Hay was used as a mulch on the access road. No evidence of seed germination was present. A single compacted two track indicated that a number of vehicles have used this road since the reclamation was performed which may limit the amount of revegetation success. We noted that the drainage ditches on the sides of the access road could have been blended into the surrounding topography.



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The "camp area" at the end of the access road had been regraded, ripped and drill seeded. Hay mulch was also used in this area. Seeds have not yet germinated, but the earth work was commendable.

The main dike was breached near the lake shore line and again at the inflow canal/pump staging area (approximately 1.8 miles out from the shore). The main access dike has been regraded and lowered to about 20 feet wide by 4 feet high. Mr. Sower indicated that it had been graded down about two or three feet from its original elevation and this was all that was practically possible due to the dike sediments "pumping" under the bulldozer's weight. The interior dikes for the evaporation ponds are eroding in the absence of maintenance. The inflow canal has been left to fill in naturally with sediment and salts by wave action and other natural processes.

About two thirds of the way out along the main dike there were four or five plastic sheets left on the lake bottom. At the end of the dike, near the inflow canal, there was some miscellaneous debris that needs to be removed. A six inch PVC pipe was trickling water into the inflow canal near the end of the main dike. The inflow gates and pump station have been removed and the well has been plugged and buried.

Following our inspection we summarized our remaining concerns with Mr. Sower. We asked him to have someone perform one more sweep of the area and pick up the remaining trash/debris, including the orange bailing twine left scattered along the road and camp area. Although we would have preferred to see the main access dike somewhat lower/flatter and feathered out onto the lakebed surface, it would be impractical and cost prohibitive to do so. The only benefit would be aesthetic in nature, no environmental harm or health and safety concerns will be caused by leaving it in its present state.

We discussed the need to leave a portion of the existing reclamation bond(s) in place until the revegetation standards are met. Mr. Sower asked if they could transfer the existing \$5000 State Lands bond over to DOGM? We did not know if this could be done or not. He indicated he would contact their attorney (Oliver Gushee) on this matter and get back to us. The inspection concluded with our commitment to provide Mr. Sower with copies of our inspection memos and a follow-up letter responding to their request for surety release.

jb  
cc: Larry Sower, Crystal Peak Minerals  
Rody Cox, BLM, Warm Springs RA  
M027008.ins







